

Brown and Caldwell BORING LOG

Proje	Project Name:Yerington Second Step Hydrogeologic Framework Assessment Project Number:132025											
Soil I	Boring	: M	Ionitoring Well: X Piezomet	er: Boring/Well	Nu	mbe	r: <u>B</u>	/W-29	D D	Sheet <u>1</u> of <u>26</u>		
Bori	ng Loc	cation: On	Sulfide Tailings in Mine Site						1434.5	Easting: 326924.6		
Drilli	ing Co	ontractor:	Boart Longyear	Driller: R. Salois		Top of PVC Elevation: 4412.84 feet amsl Ground Surface Elevation: 4409.9 feet amsl						
Drilli	ing Eq	uipment: (GP24-300RS	Borehole Diameter:8-inches	to							
Drilli	ing M	ethod: Son	iic	Drilling Fluid: Water		Cor Dep	npleteoth:	d 49	0 fbgs	Water Depth: fbmp		
Samp	Sampling Method: Core Barrel									STRUCTION		
Well	Seal:	Bentonite	and Cement			Typ of V	e and Vell C	Diam asing:	eter 2-inch Sch	nedule 80 PVC		
Logg	ed By	: P. Spille	rs, R. Banda, and C. Strauss			Slot	Size:	0.010	inch Filter M	aterial: #10-20 Silica Sand		
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Do	escription	Sample Name	Sample Location	Lithology	Well		Remarks		
5	4405—	OSO	Sulfide Tailings (0 - 3) Dry, loose, no odor. Primar with ~25% gravel to 15 mm a The sand and gravel are sub The fines are nonplastic, and with ~10% silt and clay. The fines are nonplastic, have a y do not react to HCl. Sulfide Tailings (5.5 - 49.5 Dry, loose, no odor. Primar with ~10% silt and clay. The fines are nonplastic, have a life react to HCl. There are silty throughout zone.	and ~10% silt and clay. angular to subrounded. I do not react to HCl. rily medium to fine sand sand is subround. The yellowish brown color, and inity medium to fine sand sand is subround. The gight grey color, and do not	S	es es			Description of Method D-24t grain-size det based on the System. Horizontal Su Nevada State zone, in feet. Sharp contact gradational contenties. WELL DESIGN PVC Stickup: Cement - Ber Bentonite Chi No. 60 Silica 2-inch Nomin: Slotted Screen Native Collapy Additional Bei Number of we	atonite Grout: 0-349 feet ps: 349-354.5 feet Sand: 354.5-356 feet Sand Filter Pack: 356-382 feet al Schedule 80 PVC 0.010 ns: 360-380 feet se: 440-490 feet ntonite Fill: 382-440 feet sells at this location: 4 als for paired wells are labeled at		
_	- 4395											

Proj	ect Na	me: Ye	Yerington Second Step Hydrogeologic Framework Assessment						Project Number: 132025						
Soil	Boring	: N	Monitoring Well: X	Piezometer:	Boring/Well	Nun	nbei	r: _B/	W-29[Sheet <u>2</u> of <u>26</u>	ī				
Depth (ft)	Elevation (ft)	USCS Group Symbol		Material Description		Sample Name	Sample Location	Lithology	Well Construction	Remarks					
20-	4390														
25-	4385 —														
30-	4380														

Soil Boring: Monitoring Well: Monitoring								O Sheet 3 of 26
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
35-	4375							
40-	4370							
- 45 -	4365							
50-	4360	. CH	Fat Clay (49.5 - 52) Moist, soft, no odor. Primarily silt and clay with no sand or gravel. Zone is the clay liner for the sulfide tailings. Has an olive gray to gray mottled color. Reacts strongly to HCl.					
-	_	CL	Lean Clay (52 - 56) Moist, very soft, no odor. Primarily silt and clay with no sand or gravel. Zone is the clay liner for the sulfide					

•	ect Na Boring	_	onitoring Well: X Piezometer: Boring/Well	Nu	— nho	⊷ B	Pro W-29D	Sheet <u>4</u> of <u>26</u>
Son	DUIIII	IVI	omitoring well. A rezonater. Borning/well	Nui	iibe	ı. <u>""</u>	202	Silea 0i
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
55-	4355 —	-	tailings. Has a gray color. Reacts strongly to HCl.					
-		CH SC	High Plasticity Clay (56 - 56.5) Dry to moist, firm, no odor. Primarily silt and clay with no sand or gravel. Zone is the clay liner for the sulfide tailings. Has a brown color and does not react to HCl. Clayey Sand (56.5 - 58) Dry to moist, medium dense, no odor. Primarily					
60-	4350 —		medium to fine sand with ~5% gravel to 7 mm and ~40% silt and clay. The gravel is subangular to subrounded and the sand is subrounded to rounded. The fines are nonplastic, have a brown color, and do not react to HCl. No Recovery (58 - 60)					
- 60	-	SM	Silty Sand (60 - 61.5) Dry to moist, medium dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~30% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic, and do not react to HCI.					
-	_	SM	Silty Sand (61.5 - 64) Moist, medium dense, no odor. Primarily medium to fine sand with no gravel and ~50% silt and clay. The sand is angular to subangular. The fines are nonplastic, and do not react to HCI.					
65-	4345 —	CH	Fat Clay (64 - 66) Dry to moist, dense, no odor. Primarily silt and clay with no sand or gravel. The fines have moderate to high plasticity, are moderately tough, have a dark grey color, and do not react to HCI.					
-	-	SM	Silty Sand (66 - 67) Moist to saturated, medium dense, no odor. Primarily medium to fine sand with ~5% coarse sand to 2 mm and ~40% silt and clay. The sand is subrounded to					
_	_	SP	rounded. The fines are nonplastic, and do not react to HCl. Poorly Graded Sand (67 - 68)					
-	-	ML	Saturated, loose, no odor. Primarily medium to fine sand with no gravel and ~10% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, have a brown color, and do not react to HCl. Sandy Silt (68 - 70)					
70-	4340 —	SW	Moist to saturated, firm, no odor. Primarily silt and clay with no gravel and ~15% fine grained sand. The fines are nonplastic, and do not react to HCl. There is a 4-inch seam of saturated sand at 69 feet.					
			Well-Graded Sand (70 - 83.5) Saturated, loose, no odor. Primarily coarse sand with ~5% gravel to 7 mm and trace silt and clay. The sand and gravel are subangular to subrounded. The fines					

_	ect Na Boring		Monitoring Well: X Piezometer: Boring/Wel	l Nu	— mbe	r: <u>B</u>	/W-29E	Sheet <u>5</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
-	-	-	are nonplastic, and do not react to HCl.		•			
75 - - -		-		B/W-29@73-78				
80-	- 4330 — - -							
85-	- 4325 —	SM	Silty Sand (83.5 - 85.5) Saturated, medium dense, no odor. Primarily coarse sand with a maximum grain size of 3 mm and ~15% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI. Silty Sand (85.5 - 88)					
-	-	CL	Moist to saturated, medium dense, no odor. Primarily medium to fine sand with ~30% silt and clay. There is no reaction to HCI. Sandy Lean Clay (88 - 89.5) Moist, dense, no odor. Primarily silt and clay with ~40% medium to fine grained sand. The sand is subrounded to rounded. The fines have medium plasticity and toughness, have a dark brown color, and					
90-	4320 —	- SM	do not react to HCl. Silty Sand (89.5 - 92.5) Saturated, loose, no odor. Primarily medium to fine sand with ~10% coarse sand and ~20% silt and clay. The sand is subrounded to rounded. The fines are					

ū			onitoring Well: X Piezometer: Boring/Well	Mur	— nho	- B	Pr W-291/	Sheet <u>6</u> of <u>26</u>
2011 1	Boring	1V1	omitoring wen. A rezoneter. Boring/wen	Nui	nbe	ı. <u>_</u>	744 201	Sheet 01
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
_	_		nonplastic, and do not react to HCl.					
95—	4315 —	CL	Sandy Lean Clay (92.5 - 96.5) Moist, dense, no odor. Primarily silt and clay with ~40% medium to fine grained sand. The sand is subrounded to rounded. The fines have medium plasticity and toughness, have a dark brown color, and do not react to HCl.					B/W-29S screened from 95 to 115 feet.
	_	СН	Fat Clay (96.5 - 97.5)					
			Dry to moist, dense, no odor. Primarily silt and clay with ~5% fine grained sand. The fines have moderate to high plasticity, are moderately tough, and do not					
_	_	CL	react to HCl. Sandy Lean Clay (97.5 - 98)		•			
100-		SP	Dry to moist, dense, no odor. Primarily silt and clay with ~40% medium to fine grained sand. The sand is subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI. Poorly Graded Sand (98 - 103.5) Saturated, loose, no odor. Primarily medium to fine sand with no gravel and ~10% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.	B/W-29@98-103				
105—	- 4305 —	SM	Silty Sand with Gravel (103.5 - 105) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~10% gravel to 7 mm and ~40% silt and clay. The sand and gravel are subrounded to rounded. The fines are nonplastic, and do not react to HCI.					
		SM	Silty Sand (105 - 106) Moist to saturated, medium dense, no odor. Primarily			000		
-	-	ML	medium to fine sand with ~20% gravel to 10 mm and ~30% silt and clay. The gravel is subangular to subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI. Sandy Silt (106 - 112) Moist to saturated, dense, no odor. Primarily silt and clay with ~30% fine grained sand. The fines are nonplastic, and do not react to HCI.					

	ect Na Boring		Ingion Second Step Hydrogeologic Planework Assessment Ionitoring Well: X Piezometer: Boring/We	ll Nui	mbe	r: <u>B</u>	Pr W-290	O Sheet 7 of 26
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
	4295	SM	Silty Sand (112 - 114) Moist to saturated, medium dense, no odor. Primarily medium to fine sand with ~10% coarse sand to 5 mm and ~20% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI. Sandy Lean Clay (114 - 115) Dry to moist, very dense, no odor. Primarily silt and clay with ~10% gravel to 10 mm and ~20% coarse grained sand. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI. Fat Clay (115 - 118.5) Dry to moist, very dense, no odor. Primarily silt and clay with no gravel and trace fine grained sand. The fines have moderate to high plasticity, are very tough, and do not react to HCI.					
- 120 - - -	- 4290 - -	- SM	Silty Sand (118.5 - 123.5) Saturated, loose, no odor. Primarily fine sand with ~30% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.					B/W-29I1 screened from 122 to 132 feet.
125 –	4285	SM	Poorly Graded Sand with Gravel (123.5 - 125) Saturated, dense, no odor. Primarily coarse sand with~15% gravel to 7mm and ~10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. Silty Sand (125 - 128.5) Saturated, dense, no odor. Primarily coarse sand with ~5% gravel to 7mm, ~35% medium to fine grain sand and 20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.	B/W-29@124-129				
		SM	Silty Sand (128.5 - 130) Saturated, dense, no odor. Primarily medium to fine		•			

Proj	Project Name: _Yerington Second Step Hydrogeologic Framework Assessment Project Number:132025										
Soil l	Boring	:: M	onitoring Well: X Piezometer: Boring/We	II Nu	nbe	r: <u>B</u>	/W-29E	Sheet <u>8</u> of <u>26</u>			
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks			
130-	4280 —	SM	sand with ~5% gravel to 5 mm and 20% silt and clay. The gravel is subangular to subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.								
- - -	4275 —		Silty Sand (130 - 135) Moist to saturated, dense, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl. There is a four-inch saturated medium grained sand seam at 132.5 feet bgs.								
135 –	-	SW	Well-Graded Sand (135 - 136.5) Saturated, loose, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~15% silt and clay. The gravel is subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.								
-	-	- SM - SW	Silty Sand (136.5 - 137.5) Moist to saturated, loose, no odor. Primarily fine sand with~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.								
- 140 <i>-</i> -	4270	SM	Well-Graded Sand (137.5 - 138.5) Saturated, dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~15% silt and clay. The gravel is subangular to subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.								
-	-	CL	Silty Sand (138.5 - 140) Saturated, loose, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.								
-	-		Lean Clay (140 - 143.5) Moist, firm, no odor. Primarily silt and clay with trace sand and gravel. The fines have moderate to high plasticity, are moderately tough, and do not react to HCl.								
-	-	- ML	Sandy Silt (143.5 - 144.5) Moist to saturated, soft, no odor. Primarily silt and clay with ~30% medium to fine grain sand with a								
145-	4265 —	CH	maximum grain size of 3 mm. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.								
-	-	SP	Fat Clay (144.5 - 145.5) Dry to moist, dense, no odor. Primarily silt and clay with trace sand and gravel. The fines have moderate to high plasticity, are very tough, and do not react to HCl.								
_	-	_	Poorly Graded Sand (145.5 - 149) Saturated, loose, no odor. Primarily fine sand with ~15% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to								

USCS Group Symbol	Material Description	Vame	tion			
USCS Group Symbol	Material Description	Vame	tion			
		Sample Name	Sample Location	Lithology	Construction	Remarks
SC	Clayey Sand (149 - 150) Moist, dense, no odor. Primarily medium to fine sand with ~50% silt and clay. The fines are nonplastic, and					
ML	Silt (150 - 155) Saturated, dense, no odor. Primarily silt and clay with ~5% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCl. There is a saturated orangish brown sand seam throughout the section.					
	Well Graded Sand (155 160 5)		_	*****		
SW	Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.	/-29@155-160				
		B/W	•			
SM	Silty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~ 40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.					
SP	Poorly Graded Sand (165 - 169) Saturated, dense, no odor. Primarily medium to fine sand with ~10% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI. There are silt laminations from 166-169 feet.	-				
	SW	Mist Sand (160.5 - 165) Mity Sand (160.5 - 165) Mity Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~50% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCl. There is a saturated orangish brown sand seam throughout the section. Well-Graded Sand (155 - 160.5) Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. Silty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl. SP Poorly Graded Sand (165 - 169) Saturated, dense, no odor. Primarily medium to fine sand with ~10% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.	Mist dense, no odor. Primarily medium to fine sand with ~50% silt and clay. The fines are nonplastic, and do not react to HCI. Silt (150 - 155) Saturated, dense, no odor. Primarily silt and clay with ~5% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCI. There is a saturated orangish brown sand seam throughout the section. SW Well-Graded Sand (155 - 160.5) Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI. SM Silty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.	Mist, dense, no odor. Primarily medium to fine sand with ~50% silt and clay. The fines are nonplastic, and do not react to HCl. Silt (150 - 155) Saturated, dense, no odor. Primarily silt and clay with ~5% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCl. There is a saturated orangish brown sand seam throughout the section. SW Well-Graded Sand (155 - 160.5) Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. SM Sitty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~ 40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl. SP Poorty Graded Sand (165 - 169) Saturated, dense, no odor. Primarily medium to fine sand with ~10% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.	Moist, dense, no odor. Primarily medium to fine sand with ~50% sit and clay. The fines are nonplastic, and do not react to HCl. Sitt (150 - 155) Saturated, dense, no odor. Primarily silt and clay with ~5% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCl. There is a saturated orangish brown sand seam throughout the section. SW Well-Graded Sand (155 - 160.5) Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. SM Silty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl. SP Poorly Graded Sand (165 - 169) Saturated, dense, no odor. Primarily medium to fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.	Mist, dense, no odor. Primarily medium to fine sand with ~50% sit and clay. The fines are nonplastic, and do not react to HCl. Silt (150 - 155) Saturated, dense, no odor. Primarily silt and clay with ~5% gravel to 7 mm. The gravel is subangular. The fines are nonplastic, and do not react to HCl. There is a saturated orangish brown sand seam throughout the section. SW Well-Graded Sand (155 - 160.5) Saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7 mm and 10% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. Silty Sand (160.5 - 165) Moist to saturated, dense, no odor. Primarily fine sand with ~40% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.

Proj	ect Na	me:Yer	ington Second Step Hydrogeologic Framework Assessment		_		Projec	t Number:132025
Soil :	Boring	: M	fonitoring Well: X Piezometer: Boring/Wel	Nui	nbe	r: <u>B</u> /\	W-29D	Sheet 10 of 26
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
170 –	4240	MLS	Sandy Silt (169 - 172.5) Moist to saturated, dense, no odor. Primarily silt and clay with ~30% fine grained sand. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.					
175 –	4235	- SM - SP	Silty Sand (172.5 - 173.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~30% coarse sand and ~20% silt and clay. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI. Poorly Graded Sand (173.5 - 176.5) Saturated, loose, no odor. Primarily medium to fine sand with ~10% silt and clay The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCI.	B/W-29@172-177				
	4230 —	- SM - MLS	Silty Sand (176.5 - 178.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 7mm and ~20% silt and clay. The gravel is subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl. Sandy Silt (178.5 - 182) Moist, dense, no odor. Primarily silt and clay with ~30% fine grained sand. The sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.		•			
		SM	Silty Sand (182 - 184.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~10% gravel and ~15% silt and clay. The sand and gravel are subrounded to rounded. The fines are nonplastic, and do not react to HCl.					
185-	_4225 —	- SM SM	Silty Sand (184.5 - 185) Moist to saturated, medium dense, no odor. Primarily fine sand with ~40% silt and clay. The fines are nonplastic, and do not react to HCI. Silty Sand (185 - 188.5) Saturated, dense, no odor. Primarily coarse to fine				-	B/W-2912 screened from 185 to 195 feet.

Proj	ect Na	ıme: <u>Yer</u>	rington Second Step Hydrogeologic Framework Assessment				Pr	oject Number: 132025
Soil	Boring	;: M	fonitoring Well: X Piezometer: Boring/Well	Nur	mbe	r:B/	/W-29[Sheet <u>11</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
			sand with ~5% gravel to 7 mm and ~20% silt and clay. The gravel is subrounded and the sand is subrounded to rounded. The fines are nonplastic, and do not react to HCl.					
190-	4220 —	- SM - SW	Silty Sand (188.5 - 189.5) Moist to saturated, with medium density. no odor. Primarily medium to fine sand with ~ 5% gravel to 7 mm, ~15% coarse grain sand and ~ 30% silt and clay.The gravel is subangular to subround and the sand is subangular to subround to round. The fines are			0.00		
-		CL-ML	\nonplastic, and do not react to HCI. Well-Graded Sand with Gravel (189.5 - 191) Saturated, loose, no odor. Primarily medium to fine sand with ~15% gravel to 7 mm and ~15% silt and clay.	2				
		-	The gravel is subangular to subounded and the sand is angular to subangular to subrounded. The fines are nonplastic, and do not react to HCl. Silty Clay (191 - 193.5) Dry to moist, dense, no odor. Primarily silt and clay with no gravel and trace fine grained sand. The fines	B/W-29@190-195				
195-		SM	have low to medium plasticity and toughness, and do not react to HCl. Silty Sand (193.5 - 195) Saturated, dense, no odor. Primarily fine sand with no gravel and ~30% silt and clay. The fines are nonplastic, and do not react to HCl.	 				
193	- - -	SW	Well-Graded Sand with Gravel (195 - 207) Saturated, medium dense, no odor. Primarily medium to fine sand with ~15% gravel to 10 mm and ~20% silt and clay. The gravel is angular to subangular and the sand is angular to subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
	- - 	-						
200-	_4210 —							
	- - -							
205-	4205 —	1				000000	M M	

Proj	ect Na	me: <u>Yer</u>	ington Second Step Hydrogeologic Framework Assessment		_		Pro	ject Number:132025
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Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
-	-	-						
-		SC	Clayey Sand (207 - 208.5) Moist, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.					
210 - - -	_4200 — 	SW	Well-Graded Sand (208.5 - 213) Moist, dense, no odor. Primarily medium to fine sand with ~5% gravel to 15 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.					
-	-	SC	Clayey Sand (213 - 214) Moist, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 15 mm and ~30% silt and clay. The gravel is angular to subangular and the sand					
215- - -	_4195 _ 	SM	is subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and have no reaction to a weak reaction to HCI. Silty Sand (214 - 217.5) Moist, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~35% silty clay. The sand and gravel are subangular to subrounded. The fines have medium plasticity and toughness, and do not react to HCI.					
-	-	SM	Silty Sand (217.5 - 220) Moist, dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~15% silt and clay. The gravel is subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.					
220-	4190	CL	Clayey Sand (220 - 222.5) Moist, very dense, no odor. Primarily medium to fine sand with ~5% coarse grain sand to 2mm and ~40% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.	(220-225				
-	-	SW-SM	Well-Graded Sand (222.5 - 225) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~5% coarse grain sand to 5mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.	B/W-29@220-225				

	ect Na		Ingloir Second Step Hydrogeologic Framework Assessment		_	Ь		oject Number:
Soil l	Boring	:[M	Ionitoring Well: X Piezometer: Boring/Wel	l Nur	nbe	r: <u> </u>	/W-29E	Sheet <u>13</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
225-	4185 —				•			
-	-	SM	Silty Sand (225 - 230) Moist, very dense, no odor. Primarily medium to fine sand with ~5% coarse grain sand to 0.5 mm and ~45% silt and clay. The sand is subangular to subrounded. The fines have low plasticity and toughness, and do not react to HCI.					
-	_							
230	4180 —	SW	Well-Graded Sand (230 - 232.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with a maximum grain size of 2 mm and ~15% silt and clay The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
-	-	SM	Silty Sand (232.5 - 235) Moist, very dense, no odor. Primarily medium to fine sand with a maximum grain size of 3 mm and ~25% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
- - -	-	SC	Clayey Sand (235 - 240) Moist, very dense, no odor. Primarily medium to fine sand with no gravel and ~40% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
240 — - -	4170 —	SM	Silty Sand (240 - 246) Moist, very dense, no odor. Primarily medium to fine sand with a maximum grain size of 2 mm and ~35% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.					

	ect Na		Ingion Second Step Hydrogeologic Framework Assessment Ionitoring Well: X Piezometer: Boring/We	II N I		F	P 3/W-29	9D Sheet 14 of 26
Soil	Boring	;:[IVI	fonitoring Well: X Piezometer: Boring/We	II Nui	nbe	r:⊑	5/ V V - Z S	Sheet _14 of _20
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
245-	4165 —							
		SP-SM	Poorly Graded Sand with Silt (246 - 248.5) Saturated, dense, no odor. Primarily medium to fine sand with a maximum grain size of 1 mm and ~10% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
250-	_4160 —	SM	Silty Sand (248.5 - 251) Moist, very dense, no odor. Primarily medium to fine sand with ~5% coarse grain sand to 3mm and ~35% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl. Section has silty lenses present.		•			
	- - - -	SP-SM	Poorly Graded Sand with Silt (251 - 253.5) Saturated, dense, no odor. Primarily medium to fine sand with with a maximum grain size of 1 mm and ~10% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.	B/W-29@250-255				
- 255 - -	_4155 —	SM	Silty Sand (253.5 - 261) Moist, very dense, no odor. Primarily medium to fine sand with a maximum grain size of 1 mm and ~30% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
-	-							
260 -	4150 —	SW	Well-Graded Sand (261 - 267.5) Saturated, dense, no odor. Primarily medium to fine		•			
-	-	-	saturated, dense, no odor. Primarily medium to fine sand with ~15% coarse grain sand to 4mm and ~10% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.					

Proj	ect Na	me: _Yer	ngton Second Step Hydrogeologic Framework Assessment		_		Pro	oject Number: <u>132025</u>			
Soil	Soil Boring: Monitoring Well: Monitoring										
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks			
265-	4145			B/W-29@260-265							
270 -	4140	sc sc	Clayey Sand (267.5 - 271.5) Moist, very dense, no odor. Primarily medium to fine sand with a maximum grain size of 0.5 mm and ~35% silt and clay. The sand is subangular. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.								
275 -	4135 —	SM	Silty Sand (271.5 - 279) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~20% silt and clay. The gravel is angular to subangular and the sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl. At 273.5 feet there is a fine sand lense.								
280-	4130	SM	Silty Sand (279 - 282) Moist, dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~20% silt and clay. The sand and gravel are angular to subangular. The fines are nonplastic, and do not react to HCI.								

Proje	ect Na	me: Yeri	ington Second Step H	Hydrogeologic Framework	Assessment		_		Pr	oject Number:132025			
Soil I	Boring	: M	onitoring Well: X	Piezometer:	Boring/Well	Nur	nbe	r: <u> </u>	/W-29[<u>) </u>	Sheet .	<u>16</u>	of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	M	laterial Description		Sample Name	Sample Location	Lithology	Well Construction	Remarks			
- 285	- 4125 —	SC	to fine sand with and clay. The sa	82 - 285.5) ery dense, no odor. Prima ~10% gravel to 20 mm ar and and gravel are angular e fines are nonplastic, and	nd ~25% silt r to								
-	-	SC	~45% silt and cla subrounded. The	85.5 - 287) se, no odor. Primarily fine ay. The sand is subangula e fines have low to mediul and do not react to HCl.	ar to		•						
-	-	SW	Well-Graded Sa Moist to saturat to fine sand with and clay. The gr sand is subangul	and (287 - 292.5) ed, dense, no odor. Prima ~10% gravel to 15 mm ar avel is angular to subangular to subrounded. The fir lo not react to HCl.	nd ~15% silt ular and the	B/W-29@286-291							
290 — -	4120 —					B/N							
-	-	SP-SM	Moist, very den sand with ~5% g The sand and gra	Sand with Silt (292.5 - 3) se, no odor. Primarily me ravel to 5 mm and ~20% savel are subangular to subanglastic, and do not react ears 300 feet.	dium to fine silt and clay. prounded.								
-	4115 —												
300 —									KI KI				

Proj	ect Na	me: _Yer	ington Second Step Hydrogeologic Framework Assessr	ment			Pr	oject Number:132025
Soil	Boring	g: M	Ionitoring Well: X Piezometer: Bo	ring/Well Nu	ımb	er:E	3/W-29[Sheet <u>17</u> of <u>26</u>
		T 5						
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
305-	4105 —	SM	Clayey Sand (302.5 - 306) Dry to moist, very dense, no odor. Primarily medito fine sand with ~10% gravel to 10 mm and ~25% and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plastic and toughness, and do not react to HCl. Silty Sand (306 - 310) Moist to saturated, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 15 mm a ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplast and do not react to HCl.	city / nd				
310-		SW	Well-Graded Sand (310 - 311.5) Saturated, dense, no odor. Primarily medium to f sand with ~5% gravel to 10 mm and ~10% silt and The sand and gravel are subangular to subrounded The fines are nonplastic, and do not react to HCl.	clay.				
-	-	- SM	Silty Sand (311.5 - 313) Moist, very dense, no odor. Primarily medium to sand with ~10% gravel to 20 mm and ~25% silt an clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not to HCI.	d				
- 315 – - -	4095 —	SC	Clayey Sand (313 - 320) Dry to moist, very dense, no odor. Primarily medito fine sand with ~10% gravel to 20 mm and ~30% and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plastiand toughness, and do not react to HCI.	silt				

Proj	ect Na	ame: _Yeri	ington Second Step Hydrogeologic Framework Assessment		_		P	roject Number: <u>132025</u>	<u>· </u>	
Soil 1	Boring	;:[M	Ionitoring Well: X Piezometer: Boring/Well	Nur	nbe	r: <u>B</u>	/W-29)D	Sheet	<u>18</u> of <u>26</u>
			1	_		T				
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks	; 	
320-	4090 —							3		
-	- - - -	SM	Silty Sand (320 - 323) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.	-372	•					
325 —	4085 —	SW-SM	Well-Graded Sand with Silt (323 - 325.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~5% gravel to 25 mm and ~15% silt and clay. The gravel is angular to subangular and the sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.	B/W-29@321-372						
-		SM	Silty Sand (325.5 - 328) Dry to moist, very dense, no odor. Primarily medium to fine sand with a maximum grain size of 0.5 mm and ~35% silt and clay. The sand is subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.			o a a				
- 330 –	4080 —	SM	Silty Sand (328 - 331) Moist to saturated, dense, no odor. Primarily medium to fine sand with ~10% gravel to 50 mm and ~15% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.							
-	_	SC	Clayey Sand (331 - 332) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 20 mm and ~25% silt							
- 335 — -	4075 —	SM	and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl. Silty Sand (332 - 334) Moist, dense, no odor. Primarily medium to fine sand with ~10% gravel to 10 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl. (334 - 340) No Recovery							
-	_	<u> </u>								

Proj	ect Na	me: _Yer	ngton Second Step Hydrogeologic Framework Assessment		_		Pro	oject Number:132025
Soil 1	Boring	:: M	onitoring Well: X Piezometer: Boring/Wel	l Nur	nbe	r: <u>B</u> /	W-29E	Sheet <u>19</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
340-	4070 —							
-	-	SC	Clayey Sand with Gravel (340 - 346) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 50 mm and ~30% silt and clay. The gravel is angular to subangular and the sand is subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.					
345 – -	4065 —							
-	-	SW-SC	Well-Graded Sand with Clay (346 - 350) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 25 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
		SC	Clayey Sand (350 - 358) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 50 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.			• • •		
355 - -	4055 —							

Soil Boring: Monitoring Well: Monitoring Well: Piezometer: Boring/M						r: <u>B</u>	Projec W-29D	Sheet 20 of 26
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
360-	4050	SM	Silty Sand (358 - 365.5) Moist, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 5 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.					B/W-29D screened from 360 to 380 feet.
365-	4045	SP	Poorly Graded Sand (365.5 - 366.5) Moist to saturated, dense, no odor. Primarily medium to fine sand with no gravel and ~20% silt and clay. The sand is subangular to subrounded. The fines are					
370-		SP	nonplastic, and do not react to HCI. Silty Sand with Gravel (366.5 - 368) Dry, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 70 mm and ~20% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI. Starting to see some weathered granites, probably from alluvial activity. Poorly Graded Sand (368 - 371) Moist to saturated, dense, no odor. Primarily medium to fine sand with no gravel and ~20% silt and clay. The sand is subangular to subrounded. The fines are nonplastic, and do not react to HCI.	B/W-29@367-372				
		SC	Clayey Sand with Gravel (371 - 376) Dry, very dense, no odor. Primarily medium to fine sand with ~20% gravel to 100 mm and ~35% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.		•			
375-	_4035 —	SC	Clayey Sand (376 - 383.5) Dry to moist, very dense, no odor. Primarily medium					

Proj	ect Na		Inglon Second Step Hydrogeologic Framework Assessment		_			oject Number:
Soil 1	Boring	g: M	fonitoring Well: X Piezometer: Boring/Wel	l Nur	nbe	r: <u>B</u>	/W-29D	Sheet <u>21</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks
380 -	4030		to fine sand with ~10% gravel to 50 mm and ~30% silt and clay. The gravel is angular to subangular and the sand is angular to subangular to subrounded. The fines are nonplastic, have a reddish brown color, and do not react to HCl. The zone becomes dry at 381 feet.					
385 — - -	4025	sc sc	Clayey Sand (383.5 - 385) Moist, dense, no odor. Primarily medium to fine sand with ~5% gravel and ~30% silt and clay. The sand and gravel are subangular. The fines are nonplastic, and do not react to HCl. Clayey Sand with Gravel (385 - 392) Dry, very dense, no odor. Primarily coarse to fine sand with ~15% gravel to 10 mm and ~30% silt and clay. The gravel is angular to subangular and the sand is angular to subangular to subrounded. The fines are nonplastic, have an orange brown color, and do not react to HCl.					
390 – - -	4020	CL	Lean Clay with Sand and Gravel (392 - 397.5)					
395 –	4015 —	- OL	Dry to moist, very dense, no odor. Primarily silt and clay with ~20% gravel to 10 mm and ~20% coarse to fine grain sand. The gravel is angular to subangular and the sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl.					

Proj	ect Na	ime:Tel	ington Second Step Hydrogeologic Framework Assessment				Pr	oject Number: 132023
Soil	Sheet <u>22</u> of <u>26</u>							
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
-	-							
- 400 – -	4010 —	SC	Clayey Sand with Gravel (397.5 - 402) Moist, very dense, no odor. Primarily silt and clay with ~20% medium to fine sand and ~25% gravel to 10 mm. The gravel is angular to subangular and the sand is subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
		SC	Clayey Sand with Gravel (402 - 410) Dry, very dense, no odor. Primarily medium to fine sand with ~20% gravel to 50 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI. Zone has large clasts from alluvial fan.	_				
405 - - -	4005							
410-	4000 —		Clayey Sand with Gravel (410 - 412.5)					
-	- - -	SC	Moist, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 20 mm and ~25% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI.					
-	-	SC	Clayey Sand (412.5 - 415) Dry to moist, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 15 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					

Proj	ect Na	me: _Yeri	ington Second Step Hydrogeologic Framewo	ork Assessment		_		Pr	oject Number:132025			-	
Soil 1	Boring	:: M	fonitoring Well: X Piezometer:	nbe	r: _B/	W-29[<u>)</u>	Sheet	23	of _	<u> 26</u>		
			-	_									
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	n	Sample Name	Sample Location	Lithology	Well Construction	Remarks				
415-	3995 —		Clayey Sand with Gravel (415 - 418)										
-	-	SC	Dry, very dense, no odor. Primarily m sand with ~25% gravel to 50 mm and ~ clay. The gravel is angular to subangular is subangular to subrounded. The fines and do not react to HCl.	·25% silt and ar and the sand									
-	-	SC	Clayey Sand (418 - 424) Dry, very dense, no odor. Primarily m sand with ~10% gravel to 20 mm and ~ clay. The sand and gravel are subangu subrounded. The fines are nonplastic, a	·30% silt and ılar to									
420-	3990 —	-	to HCI.										
- - -	-												
425-	3985	CL	Sandy Lean Clay (424 - 425) Dry, very dense, no odor. Primarily m sand with ~5% gravel to 10 mm and ~4	0% silt and clay.									
-	-	SC	The sand and gravel are subangular to the fines are nonplastic, and do not react Clayey Sand (425 - 428) Dry, very dense, no odor. Primarily m sand with ~10% gravel to 70 mm and ~ clay. The gravel is angular to subangula nonplastic, and do not react to HCI.	edium to fine 30% silt and									
-		CL	Sandy Lean Clay (428 - 429) Dry, very dense, no odor. Primarily m sand with ~10% gravel to 70 mm and ~	edium to fine 30% silt and									
-			clay. The sand and gravel are subangu subrounded. The fines are nonplastic, a	ılar to /			/////						
430 - -	3980		\to HCI. (429 - 440) No Recovery										
-	-						$/\setminus$						

Proj	ect Na	ıme:rei	ington Second Step Hydrogeologic Framework Assessment		_			oject Number:
Soil	Boring	g: M	Ionitoring Well: X Piezometer: Boring/Well	Sheet <u>24</u> of <u>26</u>				
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
435-	_3975							
440-	3970	GC	Clayey Gravel (440 - 450) Dry, very dense, no odor. Primarily gravel to 70mm with ~25% medium to fine grain sand and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
445-								
450-	3960	sc sc	Clayey Sand with Gravel (450 - 451) Dry, very dense, no odor. Primarily medium to fine sand with ~15% gravel to 20 mm and ~30% silt and clay. The gravel is subangular to subround and the sand is angular to subangular. The fines are nonplastic, and do not react to HCI. Clayey Sand with Gravel (451 - 453) Dry, very dense, no odor. Primarily medium to fine sand with ~25% gravel to 40 mm and ~30% silt and					

Proje	ect Na	ame: <u>Yer</u>	rington Second Step Hydrogeologic Framework Assessment		_		Pro	oject Number: 132025	
Soil I	Boring	g: M	fonitoring Well: X Piezometer: Boring/Well	Nur	nbe	r: <u>B</u>	/W-29D	S	Sheet <u>25</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well	Remarks	
-		CL	clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.						
455 —	3955 —	SC	Sandy Lean Clay (453 - 454) Dry, very dense, no odor. Primarily silt and clay with ~40% medium to fine sand and ~5% gravel to 15 mm. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl.						
-		<u> </u>	Clayey Sand (454 - 457) Dry, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 30 mm and ~35% silt and clay. The gravel is subangular to subrounded. The fines are nonplastic, and do not react to HCl. (457 - 461)	_					
-	- 	-	No Recovery						
460 — -	3950 —								
-		CL -	Sandy Lean Clay (461 - 466) Dry, very dense, no odor. Primarily silt and clay with ~35% medium to fine sand and ~5% gravel to 20 mm. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCl. 461.5 - 462 feet is a large chunk of what looks like highly weathered granite w/ high feldspar.						
465-	_3945 								
-	-	-	(466 - 470) No Recovery						
470 —	3940 —	SC	Clayey Sand (470 - 476) Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 15mm and ~35% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic to low plasticity and toughness, and do not react to HCI. Starting to see						

Proj	ect Na	ıme: <u>Yer</u>	rington Second Step Hydrogeologic Framework Assessment				Pr	oject Number: 132025
Soil	Boring	;;[] M	fonitoring Well: X Piezometer: Boring/Wel	l Nur	nbe	r: <u>B</u>	/W-29E	Sheet <u>26</u> of <u>26</u>
Depth (ft)	Elevation (ft)	USCS Group Symbol	Material Description	Sample Name	Sample Location	Lithology	Well Construction	Remarks
475-		-	larger rocks in core with large gravel size.					
	3930 —	sc	Clayey Sand (476 - 480) Dry, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 10 mm and ~35% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCl.					
480 -		GC SC	Clayey Gravel with Sand (480 - 481) Dry, very dense, no odor. Primarily gravel to 50 mm with ~35% medium to fine grain sand and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
		-	Clayey Sand (481 - 483) Dry, very dense, no odor. Primarily medium to fine sand with ~5% gravel to 15mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
		SC	Clayey Sand (483 - 490) Dry, very dense, no odor. Primarily medium to fine sand with ~10% gravel to 20 mm and ~30% silt and clay. The sand and gravel are subangular to subrounded. The fines are nonplastic, and do not react to HCI.					
490-	3920 —	-	Bottom of Borehole at 490 feet below ground surface.					